



**Plunger
Metering Pump
Spring Return**

RBE is the smallest pump of the "R" series, the first of the five sizes: RBE, RB, RCA, RC, RH; and the most economical, because the pump head components are reduced to the minimum.

Stroke: 12,5-15 mm.

Motor:

- Threephase 0,20 kW - 230/400 V - 50 Hz - 4 Poles - IP55 - CL F - IEC38
- ◆ Threephase 0,24 kW - 230/400 V - 50 Hz - 4 Poles - IP55 - CL F - IEC38
- ▲ Singlephase 0,24 kW - 230 V - 50 Hz - 4 Poles - IP55 - CL F - IEC38

Max flow rate : 300 L/h

Pump: single unit/duplex

Aluminium casing

CONSTRUCTION CHARACTERISTICS

■ **Mechanism:**

The mechanism and the reduction gear are enclosed in an aluminium casing, with oil-bath lubrication.

The mechanism is of the cam/disc type, with spring return stroke, and of simple, sturdy, compact construction.

The head holder is made of cast iron .

■ The cam is keyed on the pump shaft. Cam and disc are made of hardened steel.

■ Smooth flow rate adjustment by control knob, either with pump in motion or stationary.

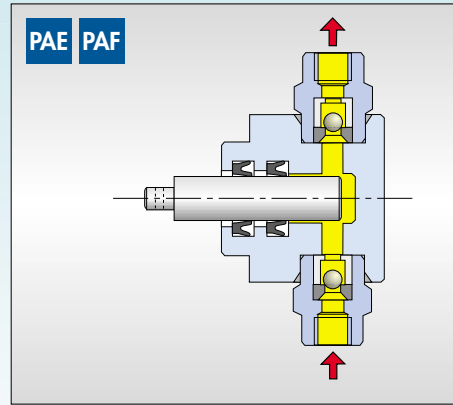
■ 1,5 metres max suction lift.

TECHNICAL DATA

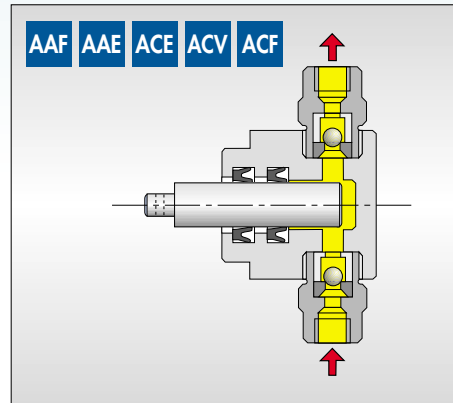
TYPE	STROKES/m	FLOW RATE L/h	MAX PRESS. bar		CONNECTIONS		
			AISI/PVC		THREADED		FLANGED
			● 0,20 ◆ 0,24	▲ 0,24	AISI	PVC	
RBE 16 ● ▲	36	4	10	10	3/8" g.f./BSPF	3/8" g.f./BSPF	15
	50	6					
	70	9					
	95	12					
	115	15					
RBE 25 ● ▲	36	12	10	10	3/8" g.f./BSPF	3/8" g.f./BSPF	15
	50	16					
	70	25					
	95	32					
	115	40					
RBE 30 ● ▲	36	17	10	10	3/8" g.f./BSPF	3/8" g.f./BSPF	15
	50	25					
	70	35					
	95	50					
	115	60					
RBE 43 ● ▲	36	36	10	10	3/8" g.f./BSPF	3/8" g.f./BSPF	15
	50	50					
	70	75					
	95	100					
	115	125					
RBE 50 ● ▲	36	50	10	10	1/2" g.f./BSPF	1/2" g.f./BSPF	15
	50	70					
	70	100					
	95	137					
	115	170					
RBCE 50 ◆ ▲	36	60	10	10	1/2" g.f./BSPF	1/2" g.f./BSPF	15
	50	80					
	70	120					
	95	160					
	115	200					
RBCE 62 ◆	36	90	10	/	1/2" g.f./BSPF	1/2" g.f./BSPF	15
	50	125					
	70	175					
	95	250					
	115	300					

PUMP HEADS

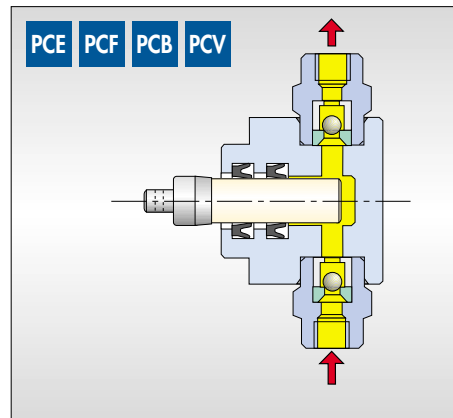
- Execution with single ball valves only.
- Plunger lip seals, in FPM - EPDM - VULKOLLAN.
- Suction and discharge connections normally threaded; on request, flanged.
- The used materials are listed in the table.
- Max. temperature for all lip seal types: 40 °C.



PVC head, inox steel plunger and valves. "PA" execution. Threaded connections.

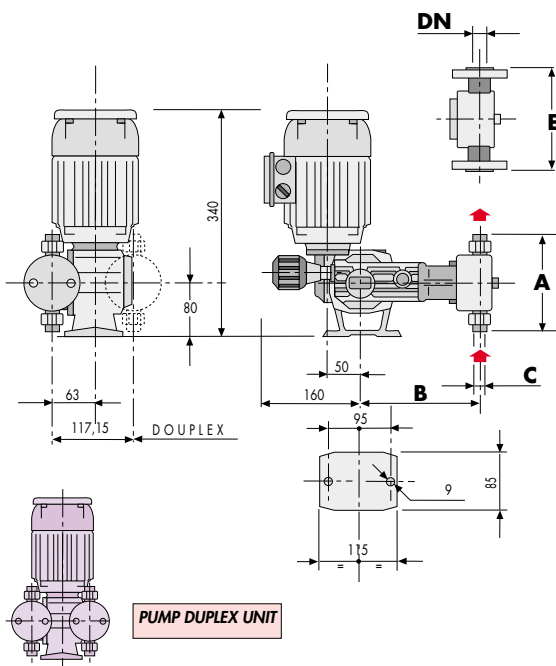


Inox steel head, inox steel plunger. "A" execution. Threaded connections.



PVC head, ceramic plunger. "PC" execution. Threaded connections.

OVERALL DIMENSIONS



TYPE	A...				P...				DN	UNI
	A	B	C	E	A	B	C	E		
RBE 16	121	180		125	132	174		146	15	
RBE 25	121	180	3/8"	125	132	174	3/8"	146		
RBE 30	121	180	g.f./BSPF	125	132	174	g.f./BSPF	146		
RBE 43	126	180		130	138	177		152		
RBE 50	156	183	1/2" g.f./BSPF	137	164	183	1/2" g.f./BSPF	176		
RBE 62	155	200	1/2" g.f./BSPF	159	192	200	1/2" g.f./BSPF	202		

MODEL NUMBER

MODEL NUMBER		KEY TO SYMBOLS
RBE 30 A 70 TL FA Z		PUMP TYPE
		Ø PLUNGER
		A AISI-316L VERSION
		P PVC VERSION
		STROKES PER MINUTE
		Z9 ELECTRIC ACTUATOR 4÷20 mA
		W 3÷1.5 PSI PNEUMATIC ACTUATOR
		F UNI-DIN FLANGED CONNECTIONS
		FA ANSI FLANGED CONNECTIONS
		... = 0 ÷ 10 BAR VERSION (NO NEED OF MODEL NO.)
		TL = 10 ÷ 40 BAR

MATERIALS OF CONSTRUCTION

PARTS	PAE	PAF	PCE	PCF	PCB	PCV	AAF	AAE	ACE	ACV	ACF
HEAD BODY	PVC	PVC	PVC	PVC	PVC	PVC	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L
PLUNGER	AISI-316L	AISI-316L	CERAMIC	CERAMIC	CERAMIC	CERAMIC	AISI-316L	AISI-316L	CERAMIC	CERAMIC	CERAMIC
VALVE SEAT	AISI-316L	AISI-316L	PVC	PVC	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L
VALVE GUIDE	PE	PE	PE	PE	PE	PE	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L
VALVE	AISI-316L	AISI-316L	PIREX	PIREX	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L
VALVE CONTAINER	PVC	PVC	PVC	PVC	PVC	PVC	AISI-316L	AISI-316L	AISI-316L	AISI-316L	AISI-316L
PACKING	EPDM	FPM	EPDM	FPM	EDPM	VULKOLLAN	FPM	EPDM	EPDM	VULKOLLAN	FPM